

Project		Catalog #		Type	
Prepared by		Notes		Date	



HALO

LT6 Direct Mount

6" LED Direct Mount Module
800 Lumen Series

Typical Applications

Residential

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Product Certification



Refer to ENERGY STAR® Certified Products List.
Can be used to comply with California Title 24 High Efficacy requirements.
Certified to California Appliance Efficiency Database under JAB.

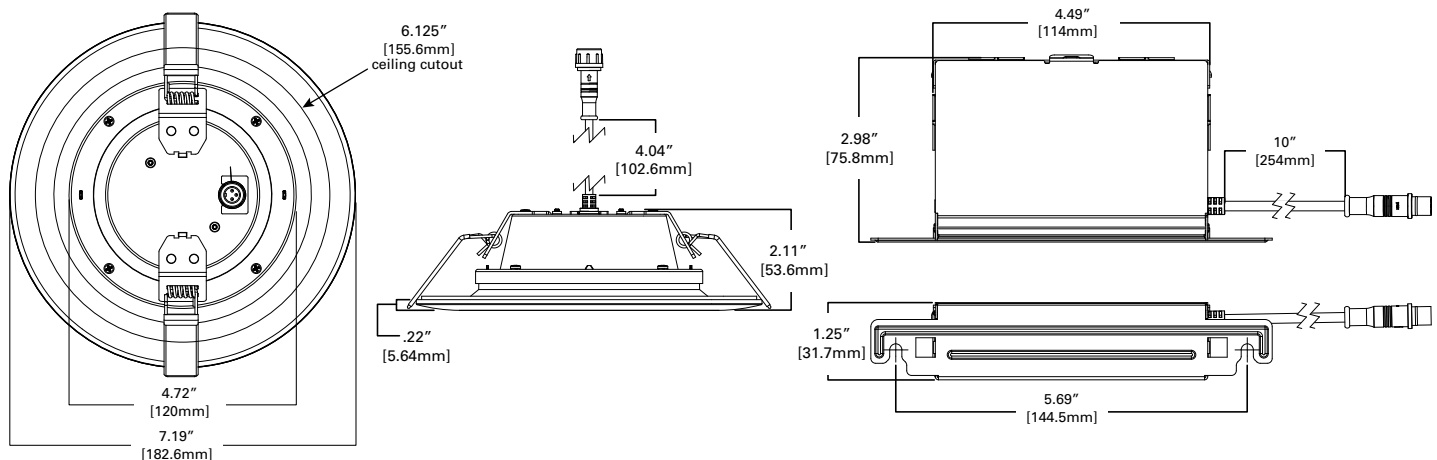
Product Features



Top Product Features

- Selectable CCT: 2700K, 3000K, 3500K or 3000K, 4000K, 5000K
- Smooth splay
- Direct mount – does not require recessed housing or junction box
- Dimmable down to 10%
- Perfect for new construction or remodel work

Dimensional and Mounting Details



Order Information

SAMPLE ORDER NUMBER: **LT6089FS351EWHDMR**

Module	Lumens	CRI/CCT	Driver	Finish	Mounting	Packaging
Module	Lumens	CRI/CCT	Driver	Finish	Mounting	Packaging
LT6 = 6-inch LED direct mount module	08 = 800 lumens (nominal)	9FS23 = 90 CRI min, 2700K, 3000K, 3500K selectable CCT 9FS35 = 90 CRI min, 3000K, 4000K, 5000K selectable CCT	1E = 120V 60Hz, LE & TE phase cut 10% dimming	WH = Matte White flange	DM = Direct Mount	R = Recyclable 4-color unit carton

Accessories

Accessories
HL6RSMF = 6" round and square mounting frame
Extension Cable selectCCTable Driver/Jbox
HLB06FSEC = 6 ft. extension cable
HLB12FSEC = 12 ft. extension cable
HLB20FSEC = 20 ft. extension cable

Specification Features

Module

- LED module consists of LED array, optical assembly, driver and self-flanged trim
- Smooth splay style trim
- Achieving L70 at 35,000 hours in IC and non-IC applications
- Injection molded plastic construction is impact resistant and non-corrosive
- Non-conductive construction meets most local code 'dead front' requirements

Gaskets

- Closed cell gasket achieves restrictive airflow requirements without additional caulking

LED Array

- A plurality of low power LEDs provide a uniform source with high efficiency and long life
- Available in 90 CRI minimum, R9 greater than 50 and color accuracy within 4 SDCM provide color accuracy and uniformity
- Available in 3-color selectable CCT: choose 2700K, 3000K, 3500K or 3000K, 4000K, 5000K

Optical Assembly

- Optical assembly provides wide distribution useful for general and task lighting
- Diffuse injection molded lens with contoured profile provides uniformity and a familiar lamp like appearance
- Meets ENERGY STAR® color angular uniformity requirements

Junction Box

- Die formed metal driver / junction box with captive hinged junction box cover
- Listed for (6) #12 AWG 90° C splice conductors, 2-in, 2-out plus (2) ground
- (4) ½" conduit pry-outs
- Accepts 14-2, 14-3, 12-2, 12-3 U.S. and 14-2, 14-3, 12-2 Canadian NM cable
- (3) wire nuts for quick and reliable mains voltage connections
- Integral mounting facilitates direct mounting to building structure or mounting frame

Driver

- Integral 120V 60 Hz constant current driver provides high efficiency operation
- Continuous, flicker-free dimming from 100% to 10% with select leading or trailing edge 120V phase cut dimmers – consult dimming guide for more information
- Consult dimmer manufacturer for compatibility and conditions of use

Installation

- Can be installed in 3/8" to 1-1/4" thick ceilings
- Round ceiling cutout
- Heat treated springs hold fixture fitting securely in the ceiling eliminating light leaks
- Can be removed from below the ceiling for service or replacement

Compliance

- UL Certified for US and Canada type IC suitable for direct contact with air permeable insulation
- Not recommended for use in direct contact with spray foam insulation, reference NEMA LSD57-2013
- Wet location listed and IP55 ingress protection rated
- Air-tite per ASTM-E283
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions per FCC 47CFR Part 15 consumer limits
- Contains no mercury or lead and RoHS compliant
- Photometric testing in accordance with IES LM79-08
- Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11
- Can be used for State of California Title 24 high efficacy LED compliance under JA8, reference Modernized Appliance Efficiency Database System (MAEDBS) for 2019 JA8 High Efficacy Lighting
- ENERGY STAR® certified, reference "Certified Light Fixtures" database

Warranty

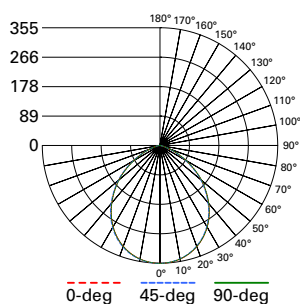
- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Energy Data

LT6089FS231EWHDMR	
Lumens	800 Series
Input Voltage	120V
Input Current	74 (mA)
Input Power	8.3 (W)
Efficiency	97.0 (LPW)
Inrush (A)	1.48 A @ 65 μ S
THD:	$\leq 20\%$
PF:	≥ 0.90
T Ambient	-30° - +40°C
Sound Rating	≤ 22 dba

LT6089FS351EWHDMR	
Lumens	800 Series
Input Voltage	120V
Input Current	74 (mA)
Input Power	8.5 (W)
Efficiency	90.6 (LPW)
Inrush (A)	1.48 A @ 65 μ S
THD:	$\leq 20\%$
PF:	≥ 0.90
T Ambient	-30° - +40°C
Sound Rating	≤ 22 dba

Photometric Data



LT6089FS231EWHDMR - 2700K

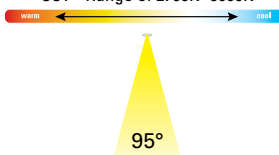
Spacing criterion: (0-180) 1.19
(90-270) 1.19
(Diagonal) 1.27

Beam Angle: 95°
Lumens: 766
Input Watts: 8.18 W
Efficacy: 93.6 LPW
UGR: 19
Test Report:
LT6089FS231EWHDMR.ies

Zonal Lumen	Lumens	% Lumens
0-30	269	35.1
0-40	429	56
0-60	691	90.3
0-90	766	100

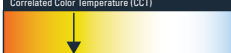
TM-30-15	Rf = 91
	Rg = 97
CRI/CIE	Ra = 92.6
	R9 = 57.1

CCT - Range of 2700K- 5000K

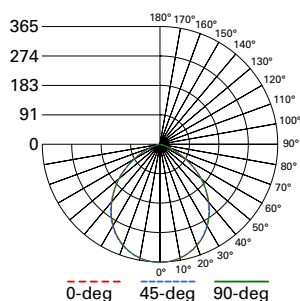


LT6-DM 2700K / 3000K/ 3500K				
CCT	Watts	lumens	LPW	CRI
2700K	8.6	730	84.9	92
3000K	8.3	805	97.0	93
3500K	8.6	820	95.3	92

LT6089FS231EWHDMR - 3000K

PRODUCT SPECIFICATIONS			
Lumens	805		
Watts	8.3		
Lumens Per Watt (Efficacy)	97.0		
Color Accuracy (CRI)	93		
Light Color (CCT)	3000K		
Correlated Color Temperature (CCT)			
			
2700K	3000K	4500K	6500K

Photometric Data

**LT6089FS351EWHDMR - 3000K**

Spacing criterion: (0-180) 1.19
(90-270) 1.19
(Diagonal) 1.27

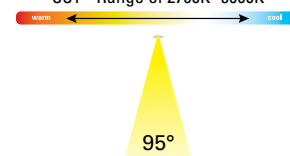
Beam Angle: 95°
Lumens: 787
Input Watts: 8.15 W
Efficacy: 96.6 LPW
UGR: 19

Test Report:
LT6089FS351EWHDMR.ies

Zonal Lumen	Lumens	% Lumens
0-30	276	35.1
0-40	441	56
0-60	710	90.3
0-90	787	100

TM-30-15	Rf = 91
	Rg = 97
CRI/CIE	Ra = 93.7
	R9 = 62.7

CCT - Range of 2700K- 5000K



LT6-DM 3000K / 4000K/ 5000K				
CCT	Watts	lumens	LPW	CRI
3000K	8.5	770	90.6	93
4000K	8.2	810	98.8	94
5000K	8.5	785	92.4	93

LT6089FS351EWHDMR - 3000K

PRODUCT SPECIFICATIONS	
Lumens	770
Watts	8.5
Lumens Per Watt (Efficacy)	90.6
Color Accuracy (CRI)	93
Light Color (CCT)	3000K
Correlated Color Temperature (CCT)	
2700K	3000K
4500K	6500K